

The Deltagram

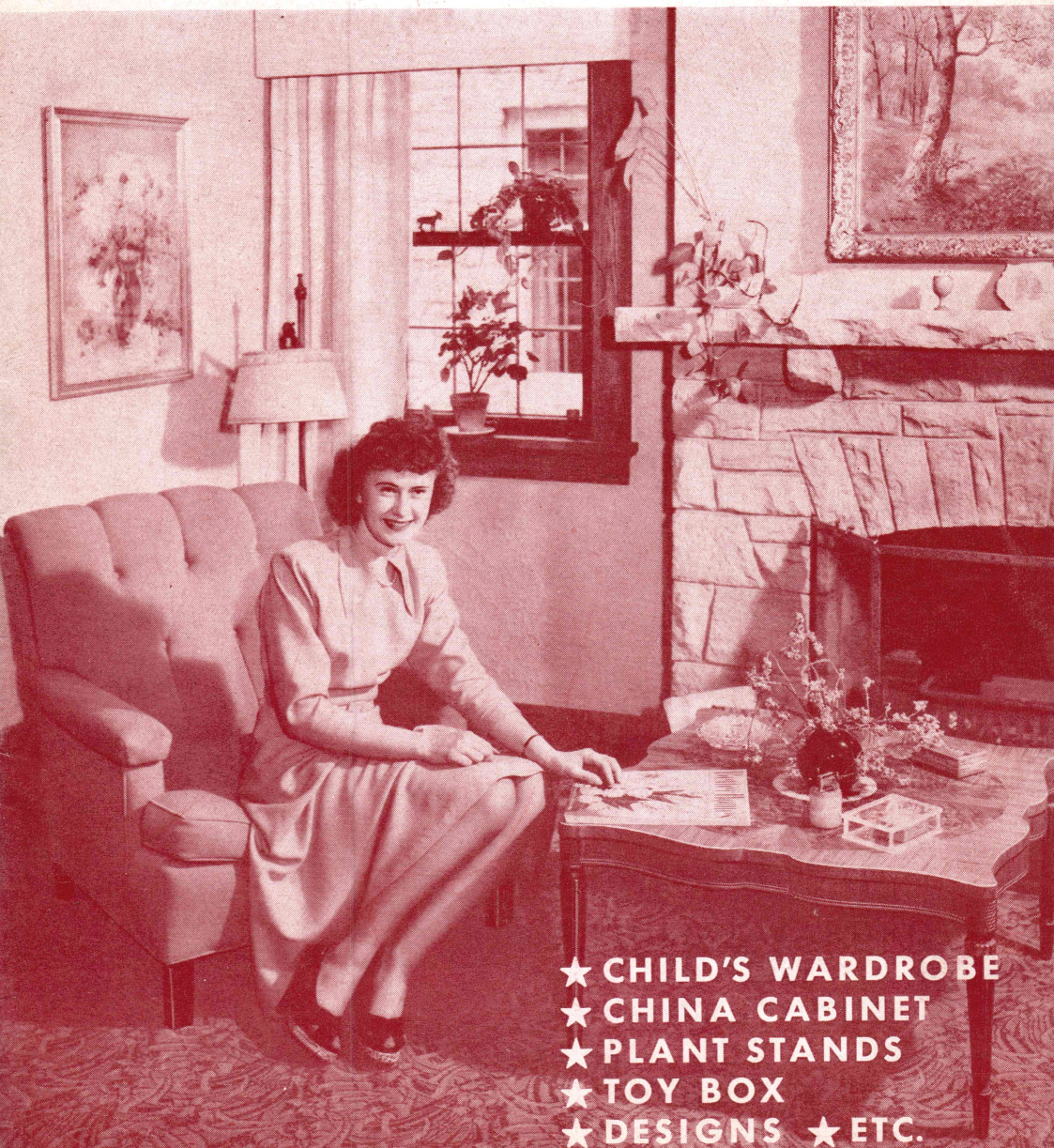
TRADE MARK REG. U. S. PAT. OFF.

10¢

VOLUME SEVENTEEN

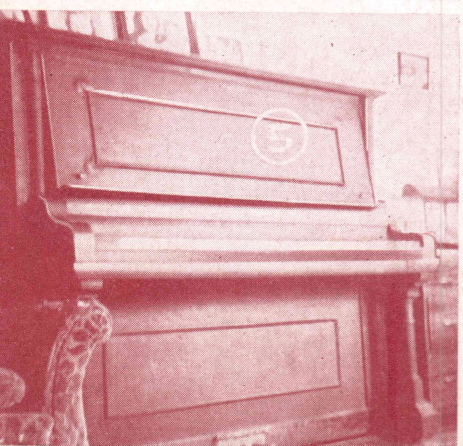
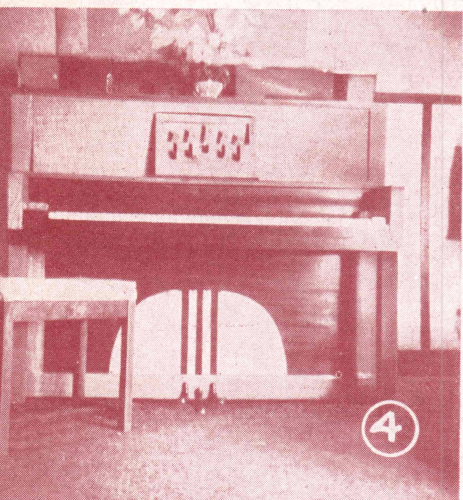
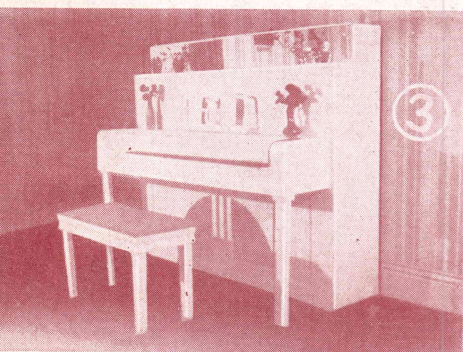
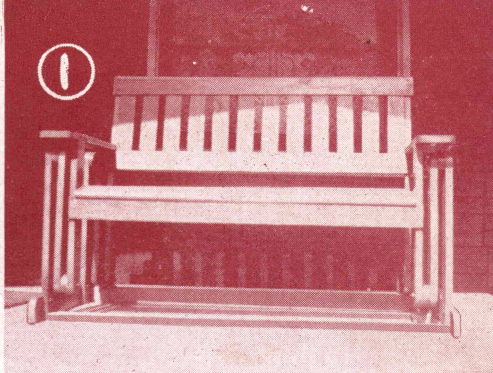
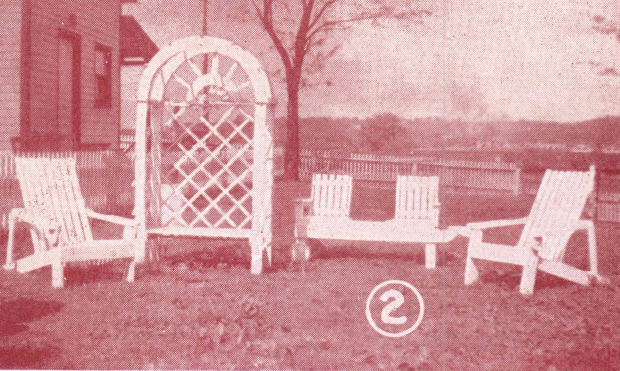
Issue No. 3, 1947, '48

FIFTEEN CENTS



- ★ CHILD'S WARDROBE
- ★ CHINA CABINET
- ★ PLANT STANDS
- ★ TOY BOX
- ★ DESIGNS ★ ETC.

COCKTAIL TABLE SHOWN ABOVE IS PLAN NO. 4202 . . . PRICE — \$2.50



WITH DELTA CRAFTERS

Photos No. 1 and No. 2 are the work of Mr. Stephensen of Covington, Kentucky. These are just a few of the projects he made in the last few months.

The spinet type modern design piano, Photo No. 3, was remodeled from an old upright by Mr. and Mrs. West of McPherson, Kansas.

Before and after effects in Photos No. 4 and No. 5 of the piano were sent in to us by Mr. Mathews of Costa Meca, California. Mr. Mathews was inspired to refinish his old piano from the project which appeared in Issue No. 4, Volume 15 of the Deltaqram.

Mr. Hays of Toronto, Ontario, Canada made his two granddaughters very happy with the hobby horse he made for them. The project appeared in one of the early issues of the Deltaqram (Photo No. 6).



The Deltagram

TRADE MARK REG. U. S. PAT. OFF.

★ A MAGAZINE FOR CRAFTSMEN

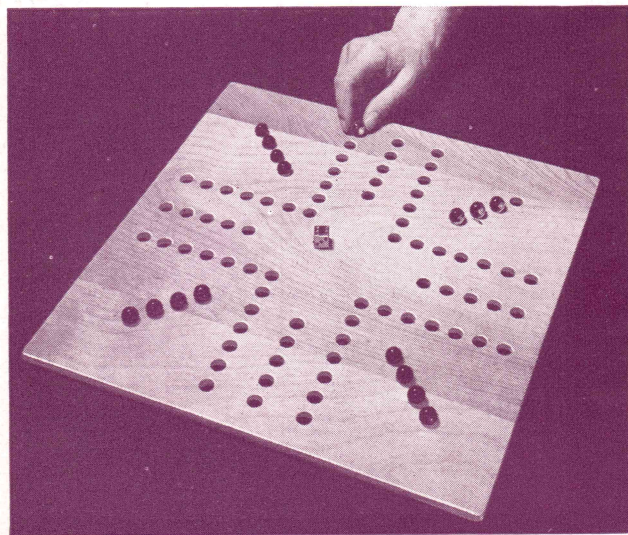
• PUBLISHED BY THE DELTA MANUFACTURING COMPANY, MILWAUKEE, WISC. SOLD ONLY BY SUBSCRIPTION - 75¢ THE YEAR.

★ E. G. HAMILTON - MANAGING EDITOR
A. M. WARKASKE - TECH. EDITOR

VOLUME SEVENTEEN

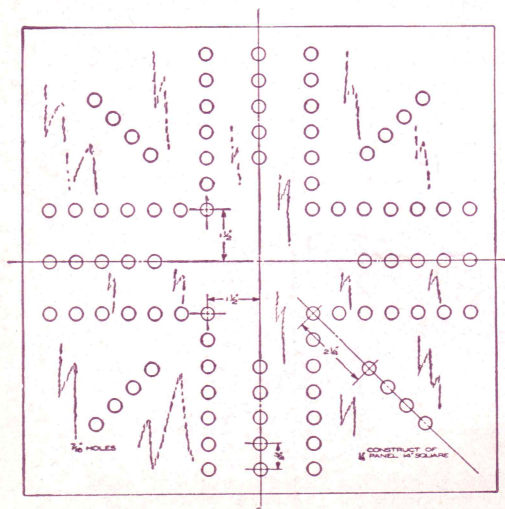
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FIFTEEN CENTS



☆ THE GAME itself consists of a 14" square plywood panel drilled as shown in the drawing below. Four marbles are required for each player and each set of four marbles is a different color. One regular dice is also used in playing the game. The marbles are placed as shown in the photograph for the start of the game. Each player must roll the dice and turn up either a one or a six to place the marble in the starting position.

AN INTERESTING GAME with MARBLES and DICE



After this has been done, whatever number turns up on the roll of the dice is the amount of spaces the player may move the marble. In succeeding rolls the player may elect to start a new marble after rolling a one or a six or he may move one which is already in play. If a succeeding player moves his marble into the same position the first player must return to the starting position. A completed game is accomplished by moving all four marbles around the entire outside edge of the cross and into the center section of his home base.

This game will be a lot of fun for young and old alike and may be played by from two to four players at one time.



MODERN CHINA CABINET

☆ A modern cabinet such as shown on this and the following page would sell for \$300 to \$400 in the store at present-day prices. You can build your own from plans on the following page.

The entire piece is built from birch plywood panel with edge and frame strips of solid lumber. You will notice from the plans that the outer edges of both the top and bottom sections are beveled inward, which adds to the attractiveness of the design. The doors on the lower section, instead of being hinged, are made to slide inward toward the center section, thus providing that one door may be opened at a time. The three drawers are finished on the inside with green flock to provide space for silverware, etc. The brass ring hardware may be purchased from your local hardware dealer.

BILL OF MATERIALS: CHINA CABINET

Top Section

Molding

- 1 Piece 1"x3x54 1/2
- 2 Pieces 1"x3x9 1/4
- 2 Top and Bottom Panels 3/4x8x52
- 2 Side Panels 3/4x8x36
- 2 Shelves 3/4x7-9/16x51

Frame Pieces

- 2 Front Pieces 3/4x2x51
- 4 Side Pieces 3/4x2x6"
- 2 Back Pieces 3/4x2x48
- 1 Back Panel 1/4x35 1/2x51 1/2

Lower Section

- 2 Top and Bottom Panels 3/4x18x16
- 2 Side Panels 3/4x18x26 1/2
- 2 Doors 3/4x19 3/4x19 3/4
- 2 Partitions 3/4x16-13/16x20 1/4
- 2 Partitions 3/4x5x17-9/16

Drawer Frame

- 1 Front Piece 3/4x2x59
- 2 Side Pieces 3/4x2x16-1/16
- 2 Center Pieces 3/4x2x14-9/16
- 1 Back Piece 3/4x2x56

Bottom Frame

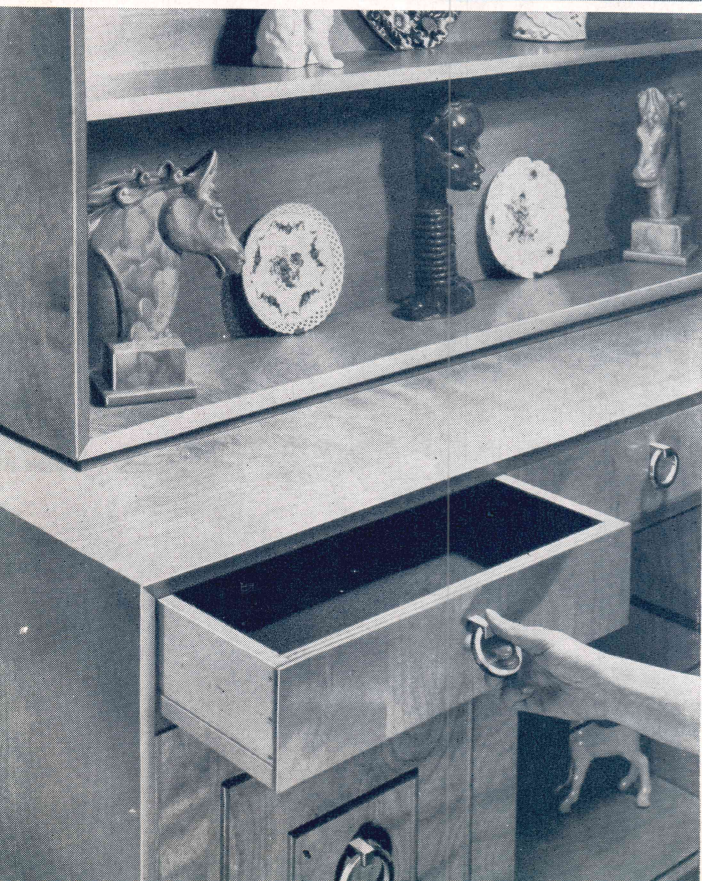
- 1 Front Piece 3/4x2x59
- 1 Back Piece 3/4x2x56
- 2 Side Pieces 3/4x2x16
- 4 Legs 2 1/4x2 1/4x4 1/4
- 2 Leg Spreaders 3/4x2x55 1/2
- 1 Back Panel 1/4x26x59 1/2
- 2 Shelf Panels 1/4x16 3/4x18 7/8
- 1 Glass Shelf 1/4x16 3/4x18 7/8

Drawers

- 3 Front Panels 3/4x19x4 1/2
- 6 Side Panels 5/8x4 1/2x16 1/2
- 3 Back Panels 5/8x3 3/4x18
- 3 Bottom Panels 1/4x16 1/4x18
- 6 Strips 1/8x1 1/4x16 1/2

Drawer Pulls

- Glue Blocks
- Shelf Supports
- Drawer Stop
- Dowels and Screws

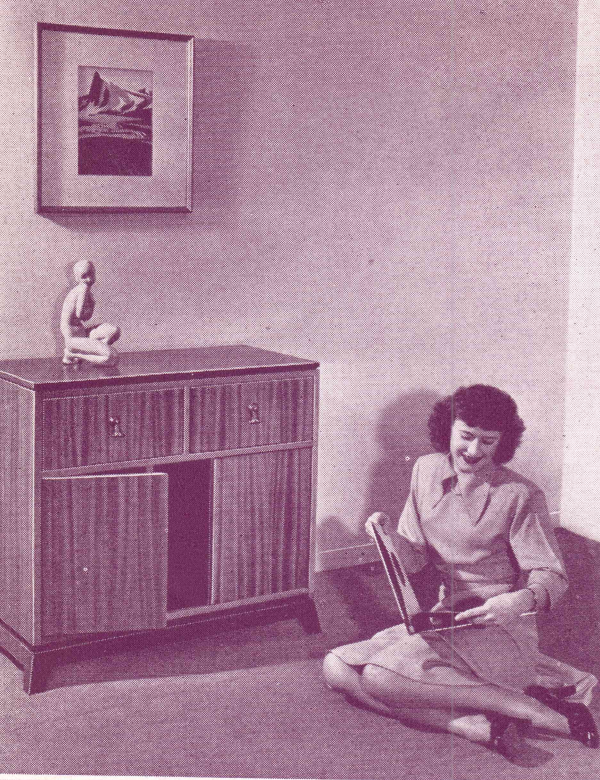


RADIO COMBINATION

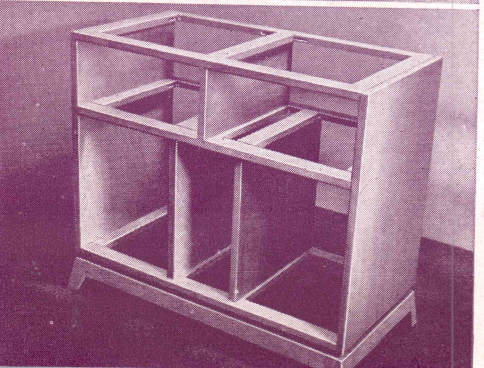
IN TWO-TONE
MAHOGANY

☆ HERE is another plan for a radio-phonograph combination built from striped mahogany. The record changer is built into a drawer as shown in the photograph below. The radio is built into a panel fastened behind the hinged door on the right side. The speaker has been removed from the set and mounted in the center section of the lower half with a cloth screen placed in front.

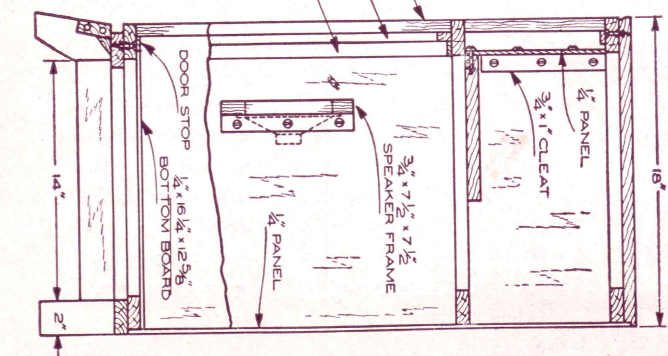
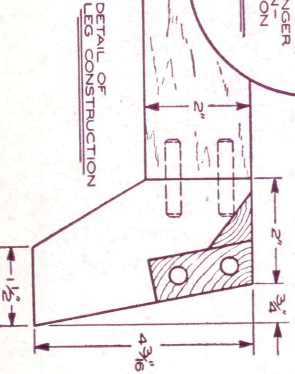
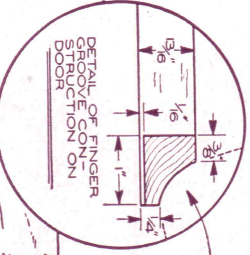
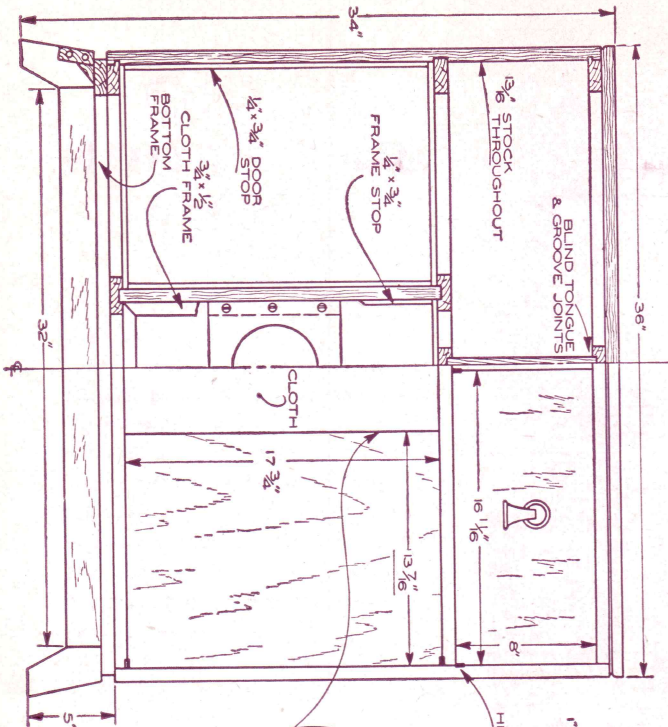
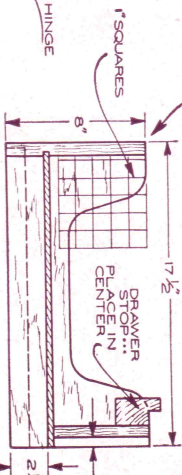
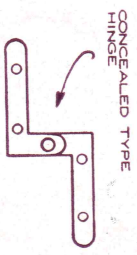
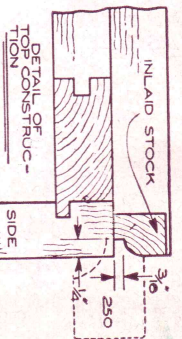
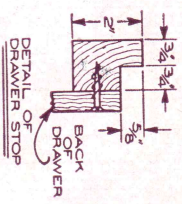
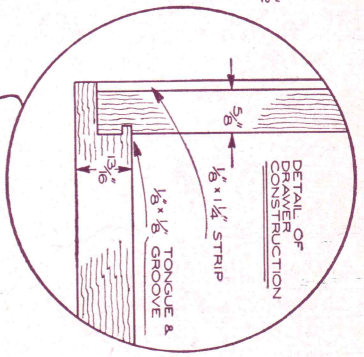
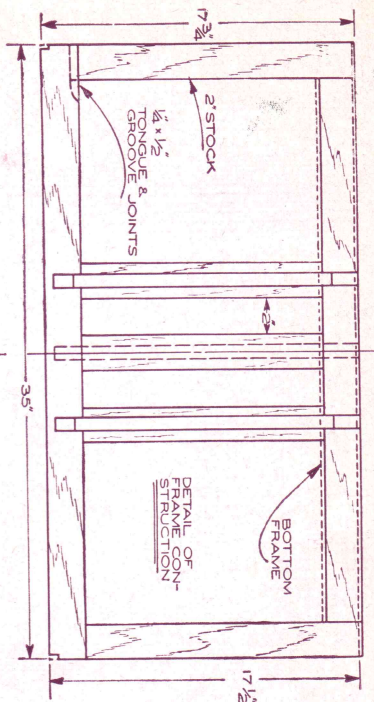
This provides for a clean design in that the door covering the radio panel may be closed once the station is tuned.



The cabinet is shown above with the storage compartments, radio panel and record changer drawer open.



Record storage is provided on either side of the lower section. Partitions may be added to one side for the storage of the loose records while the other side is used for complete albums. The finish is made two-tone by darkening the base and the top with dark brown mahogany stain and finishing the center section natural with white shellac or sealer.





☆ A novel card table with a dual purpose. When in a folded position it can be used as a screen in front of the fireplace or in an empty corner of a room. The one illustrated was made of birch wood with a leatherette top, metal corners and bright brass furniture nails on the edge with a picture glued to the top for added design.

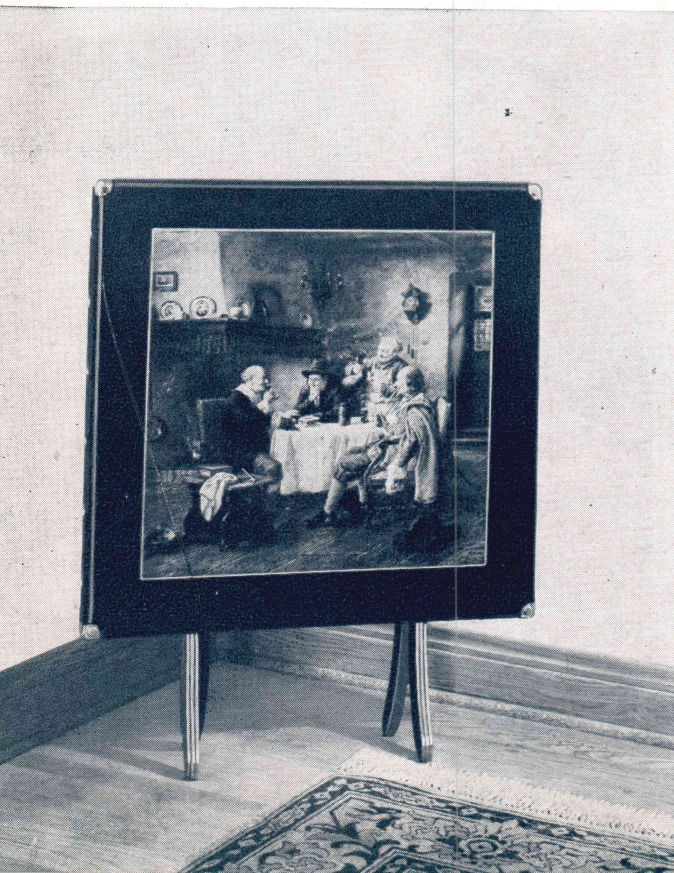
All necessary dimensions are given in the drawing on the opposite

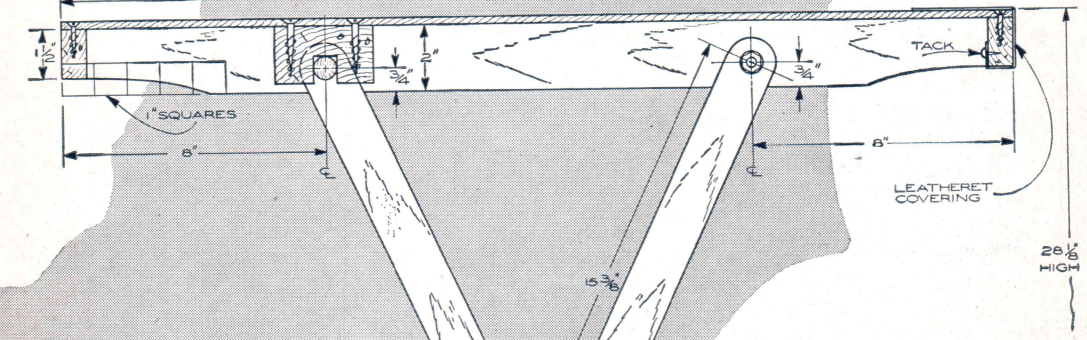
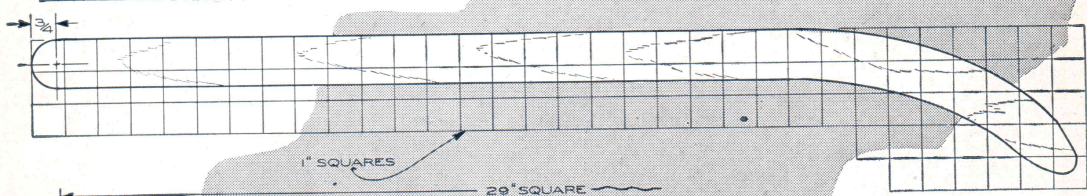
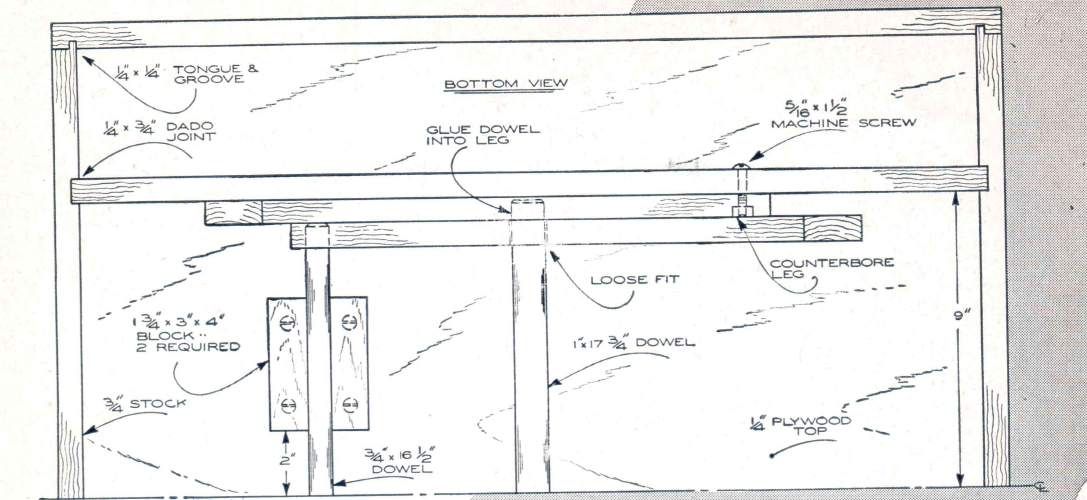
TILT-TOP CARD TABLE

page. Make sure to select straight grained material for the legs. The bead moulding on the legs is optional. Finish to match other pieces by staining or leave natural by applying two coats of white shellac and wax.

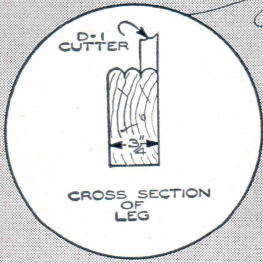
BILL OF MATERIAL: CARD TABLE

1 Top	$\frac{1}{4} \times 29 \times 29$
2 Sides	$\frac{3}{4} \times 1 \frac{1}{2} \times 29$
2 Sides	$\frac{3}{4} \times 1 \frac{1}{2} \times 28$
2 Braces	$\frac{3}{4} \times 2 \times 28$
4 Legs	$\frac{3}{4} \times 1 \frac{1}{2} \times 31 \frac{3}{4}$
2 Blocks	$1 \frac{3}{4} \times 3 \times 4$
1 Dowel	$\frac{3}{4} \times 16 \frac{1}{2}$
1 Dowel	$1" \times 17 \frac{3}{4}$
Leatherette	
Machine Screws (2)	
	$5/16" \times 1 \frac{1}{2}"$





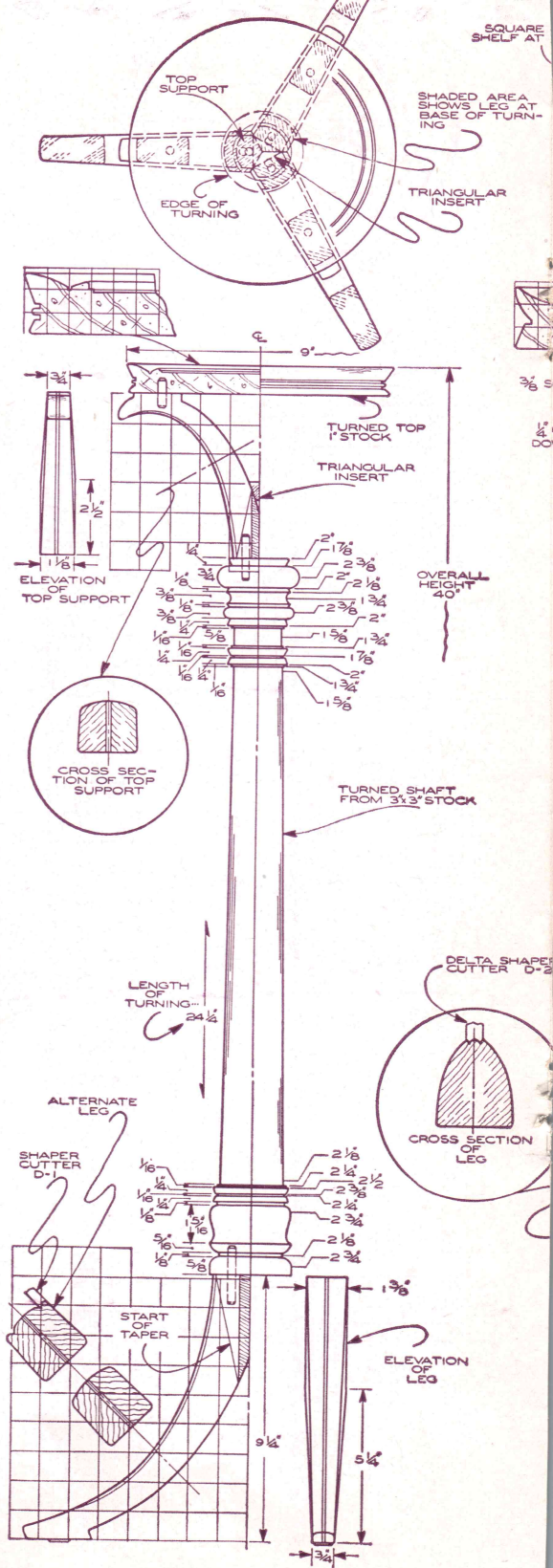
NOTE:
SCREW TOP TO FRAME
AND COVER WITH LEATHERET...
GLUE PICTURE TO TOP SURFACE

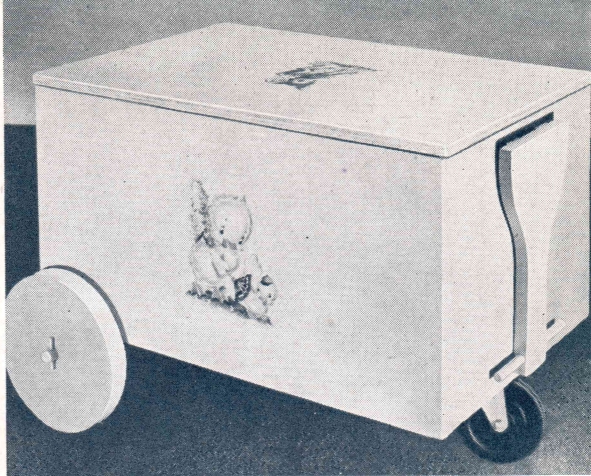




PLANT STAND

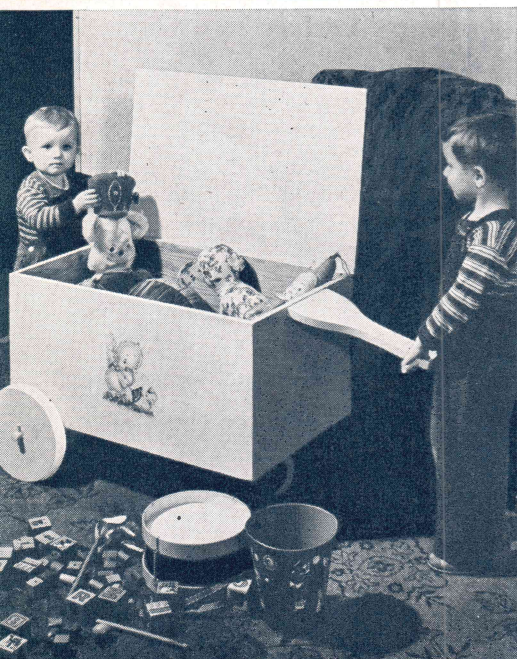
☆ Shown here and on the following page are two plant stands which may be built from either walnut or mahogany lumber, making an attractive piece of furniture for your window corner. The plant stand shown above is made entirely of lathe turnings with the exception of the legs and the top brackets. The various parts are assembled with dowels and glue as shown in the drawing on the right. Full size plans of these two projects will be available at a later date.





A TOY BOX ON WHEELS

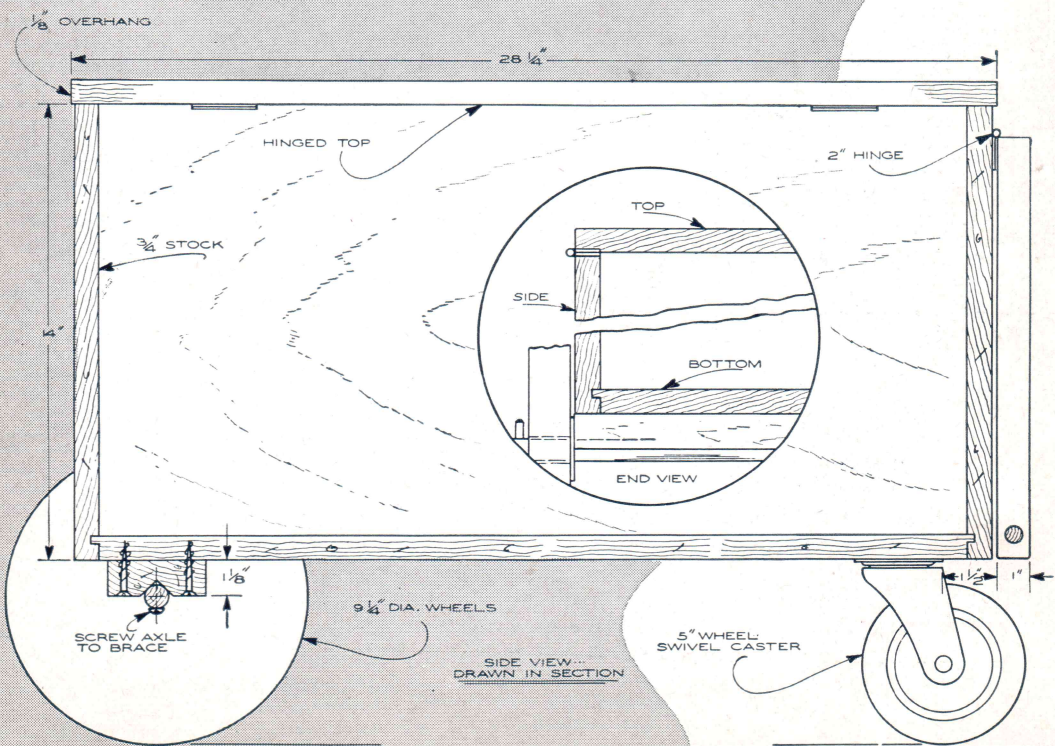
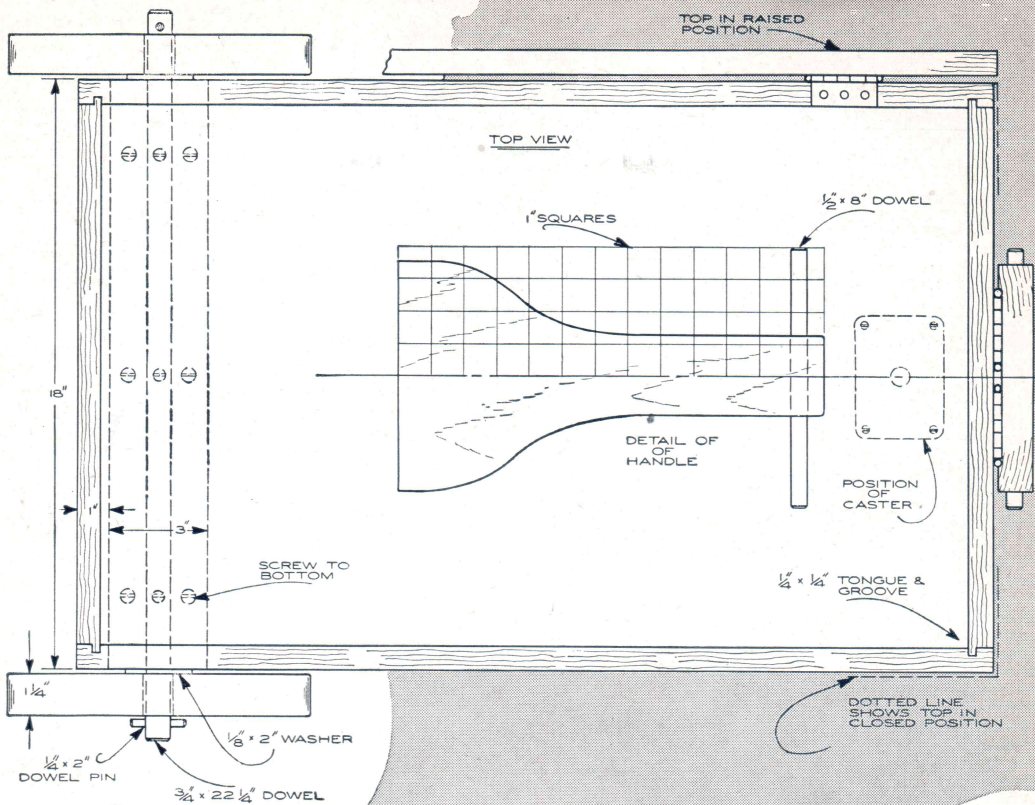
☆ The project shown here will be very useful in any home where there are one or two small youngsters who have a habit of leaving toys lie around in various places in the home. The box is attractive and has the combined use of being a receptacle for toys and also a seat for the youngster. If used for a seat, however, two casters should be substituted for the one shown in the drawing and photo, each caster being placed in the front corner of the box. This will prevent the box from tipping. The handle, when not being used to tow the box around, folds down on its hinges to save space.

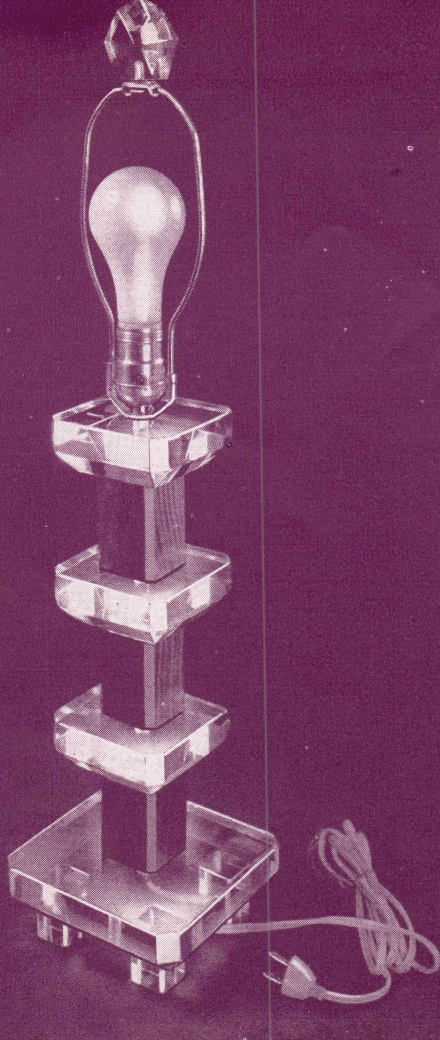


The box as shown should be painted inside and out with first, an undercoat and then a final coat of enamel, after which it is decorated with colorful decals which will be attractive and interesting to the youngsters.

BILL OF MATERIAL: TOY BOX

1 Top	$\frac{3}{4}$ x 18 $\frac{1}{8}$ x 28 $\frac{1}{4}$
1 Bottom	$\frac{3}{4}$ x 17 x 27
2 Sides	$\frac{3}{4}$ x 14 x 28
2 Ends	$\frac{3}{4}$ x 17 x 14
1 Handle	1" x 8 x 13
2 Wheels	1 $\frac{1}{4}$ x 9 $\frac{1}{4}$ dia.
1 Axle Brace	1 $\frac{1}{8}$ x 3 x 18
1 Dowel	$\frac{3}{4}$ x 22 $\frac{1}{4}$
2 Dowel Pins	
1 Dowel Pin	$\frac{1}{2}$ x 8
1 5" Caster	
4 Hinges	
Screws	





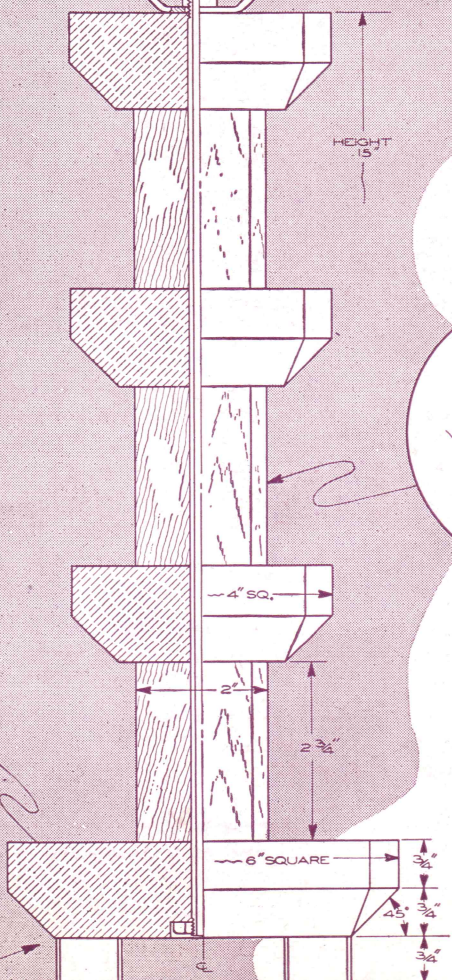
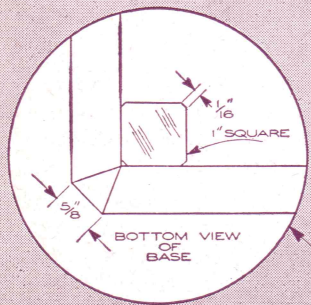
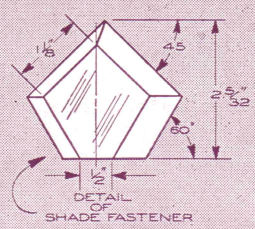
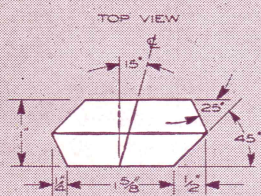
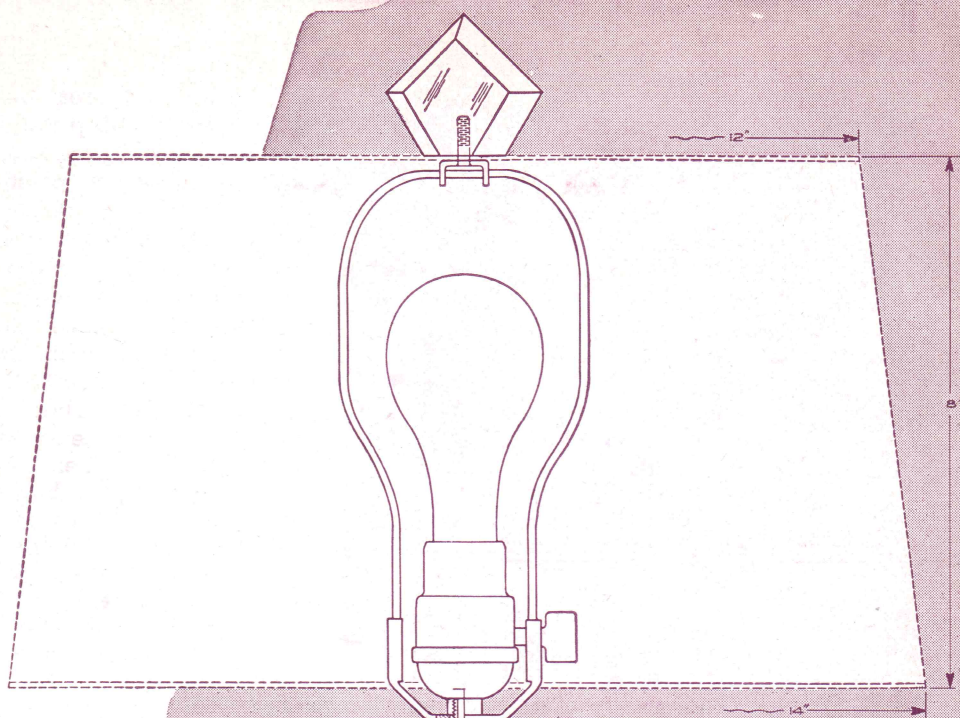
☆ THERE is a great deal of romance and pride in projects which are built from transparent plastic. When this plastic is combined with the rich color of wood such as walnut or mahogany it makes a beautiful piece of furniture. The plastic used in this lamp is Plexiglas or Lucite of 1½" thickness. The plastic is first cut to the square dimension and then beveled according to the design on the disk sander or belt sander by tilting the table. After these rough bevels have been made they are sanded smooth by using a medium and then finer grade of wet or dry paper, using water as an abrasive lubricant. This polishing should be done with the sandpaper wrapped around a square hardwood block so that you do not lose the flat surface of the various bevels. After sanding to a smooth finish the plastic should be buffed on a canvas wheel using polishing compound to obtain a high lustre.

Build this BEAUTIFUL PLASTIC TABLE LAMP

DESIGNED BY FRED HEIDER

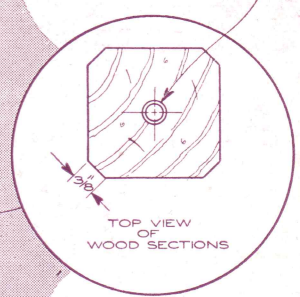
The base piece of plastic is counter-bored from the underside to receive the nut which locks the threaded pipe in the assembled lamp. Threaded pipe and light fixtures as shown may be purchased from your local electrical dealer.

The four feet shown on the base of the lamp are cut from ¾" plastic and after polishing are cemented to the underside of the base with plastic cement. This plastic cement may be purchased from your local hobby dealer or supply house. The plastic finial is cut from 1" plastic which is beveled and polished and then threaded to screw on the top of the fixture. This allows for the use of a bridge-type lamp shade which you may purchase or have built special for your lamp.



HEIGHT .15

DRILL $\frac{3}{8}$ " HOLES TO RECEIVE $\frac{1}{8}$ " PIPE



COUNTERBORE BOTTOM TO RECEIVE LOCK NUT.

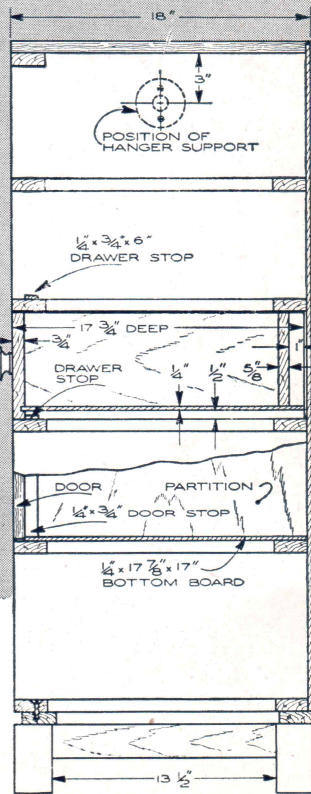
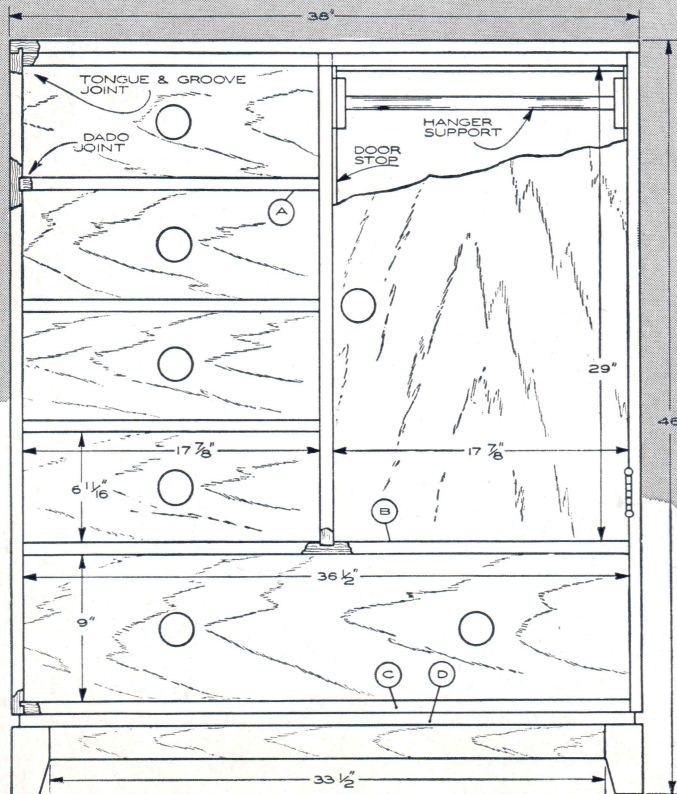
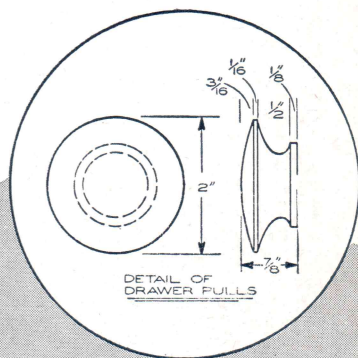
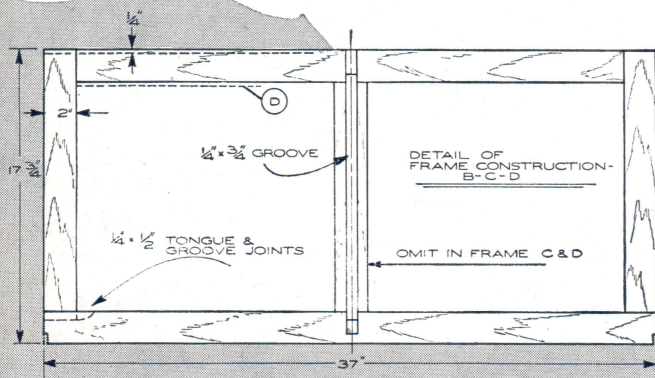
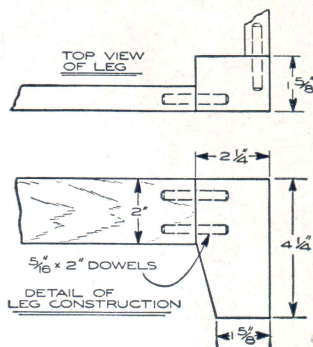
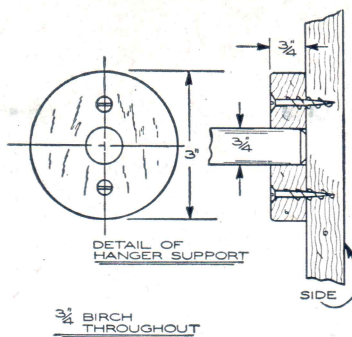
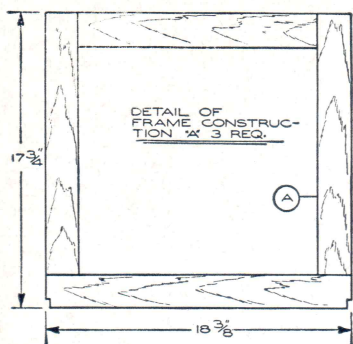


CHEST OF DRAWERS

FOR THE YOUNGSTER

☆ Here is a wardrobe and chest of drawers of modern design which you may build for the younger member of the family. This wardrobe is built from pine or fir plywood panel as it is to be finished in enamel. All of the construction details are shown on the following page. The completed framework as shown in the photograph above shows the various drawer frames assembled and glued in place using tongue and groove joints as indicated in the drawing. The entire chest after completion should be sealed with shellac or a similar filler, after which it may be painted to match other pieces in the child's room. Considerable decoration may be added if you desire by using nursery decals or fancy western hardware, etc.





FLYING CHIPS

Rare Issues of the Deltaqram

How would you like all of the Deltagrams 'way back to 1932 all bound into three individual books — a full 15-year subscription of books that are out of print and are no longer available?

Our printers have offered to reprint all of the Deltagrams and bind them into beautiful hardbound books so that we can offer them to you. Judging from the hundreds of letters we receive, there seems to be a big demand, but before going ahead with this I would like to know if you are really interested in these rare issues. Do you really want them?

We will sell these to you at just slightly above cost — just enough to pay for our handling and postage. The best price we have been able to get is \$3.75 per book, and there will be three books covering the 15 years of Deltagrams. We can make a special price of \$10 for all three books.

Drop us a card and tell us if you want these books. Mail it to E. G. Hamilton in care of the Deltaqram.

Refinishing Idea

Weatherford, Oklahoma — I note in Issue No. 2, Volume under Flying Chips that E. V. B. of Paw Paw, Michigan is having trouble in taking off old finish on furniture.

E. V. B. is certainly putting in too much time and hard work in removing an old finish, and wish to offer the following suggestions.

Although a standard make of varnish remover is being used, it may not be doing a good job of loosening the old finish. Possibly another brand would work much better. Here is my procedure for removing old finish.

1. Coat surface with a heavy coat of varnish remover, brushing as little as possible.
2. Remove part of the finish which has been softened with remover by using a smooth putty knife, scraper or piece of wood. Do not use a sharp instrument in order to avoid scratching the wood. Remover will need to stand 5 to 15 minutes before surface is softened. Only experience will determine proper time for starting to remove old finish. Burlap or old rags are also good for wiping off the softened finish.
3. Put on another coat of varnish remover as in No. 2. This may have to be done two to four times, removing a portion of old finish each time till all the old finish is removed. I want to particularly emphasize that the old finish should come off easily without excessive scraping.
4. When surface is nearly clean, flow on a heavy coat of varnish remover and clean off with a rag.
5. After old finish has been removed clean surface thoroughly with denatured alcohol to remove all traces of paraffin usually found in varnish remover.
6. Use plenty of varnish remover on carvings and moldings and clean with stiff fiber brush and rag.

I believe these suggestions will be of value. It surely is not necessary to use a wire brush for removing varnish. I think the main trouble is that not enough varnish remover is being used, or a varnish remover which does not soften the finish is probably used.

J. L. C.

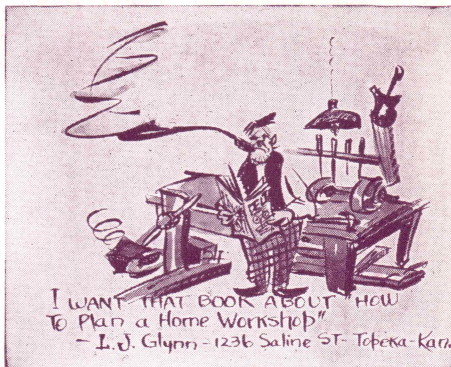
Bearing For a Lazy Susan

Chicago, Illinois — I recently finished the lazy susan project which appeared in a recent issue of the Deltaqram, but was unable to get a satisfactory bearing.

After several attempts I finally was successful in finding an ideal one for this purpose. I thought there might be other home craftsmen who would like to know the number and the name of the firm who handles this item.

The bearing I used is No. 2312 purchased from The Boston Gear Works, 14 Hayward Street, N. Quincy 71, Massachusetts.

R. S.



We have cartoonists too! This is the way we received one order for our "Home Workshop" Book — Pretty clever — this Mr. Glynn.

Construction of Summer Cottage

Montreal, P. Q., Canada — Can you advise me where information may be obtained on the "Step-by-Step" construction of a small country cottage. I am interested in doing my own building as I am fairly proficient with woodworking tools, but require the knowledge of studding, roofing, foundation work, etc.

K. T.

Here are a few books on carpentry which you can obtain at your local library or book store. "House Construction Details" by Nelson L. Burbank; "Carpentry" Vols. 1, 2 and 3 by W. S. Lowndes; and "Audel Carpenters and Builders Guides" (4-Volume).

Hardware for Furniture Projects

Oakland, California — During the last couple years I have had a lot of pleasure in making various projects featured in your Deltagrams and also enjoyed very much reading the Flying Chips section. My shop is equipped with all Delta machines.

I have just finished the drum table which is featured in your Practical Project Book No. 8. I have been unable to obtain the brass claw feet and drawer pulls in my city. Can you advise me where I might be able to purchase this hardware?

G. M. C.

You can get this hardware from Upholstery Supply Co., 1033 N. 4th Street, Milwaukee, Wisconsin, or Albert Constantine & Sons Inc., 797 E. 135th St., New York, N. Y.

"Fellow Homecrafters"

The trends in furniture design are changing from year to year. This change is noticeable to all of us who look through the furniture stores and magazines such as *American Home*, *House & Gardens*, *Architectural Forum*, etc. The change has been gradual, yet definite. You have noticed some of the more modern type of designs in recent issues of the Deltaqram. Many of you crafters have asked for furniture of this type. It would help your editorial staff considerably if you would write and let us know your preference as to designs. Send us clippings, if you prefer, of the type of furniture you want to see in the Deltaqram. We will prepare the Deltaqram with your preferences in mind. We will give you the type of material you want to build. That has always been our policy. Let's have the answers, fellow crafters — drop a line to: E. G. Hamilton, Managing Editor, here at Delta.

The Editors

DESIGNS

These are full size drawings which can be easily traced directly on the material to be cut. Paint the material with a flat coat of paint before drawing the design.



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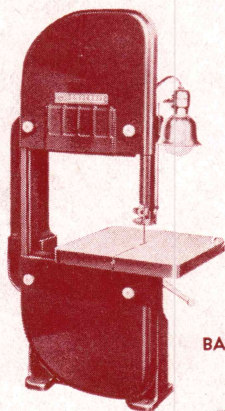
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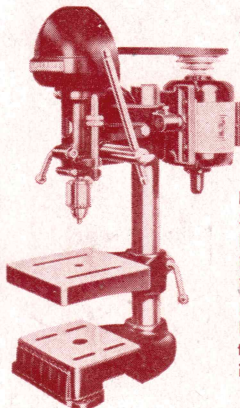
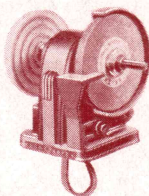


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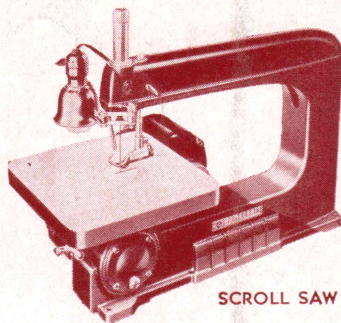


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Lamp Attachment and Motor Extra

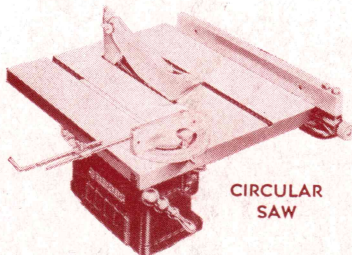
For — Inside curves, Marquetry, Intricate work, Inlays, Filing, Sanding, Fret work, Ripping, Cross-cutting, Cutting of curves, Angle sawing, Cutting of cloth, Paper, Plastics, Metal and wood, etc.



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CIRCULAR
SAW

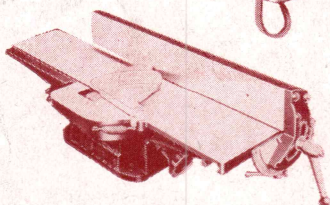
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Motor Extra

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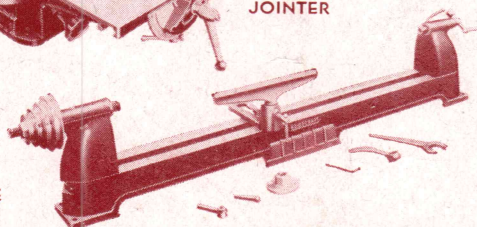
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